

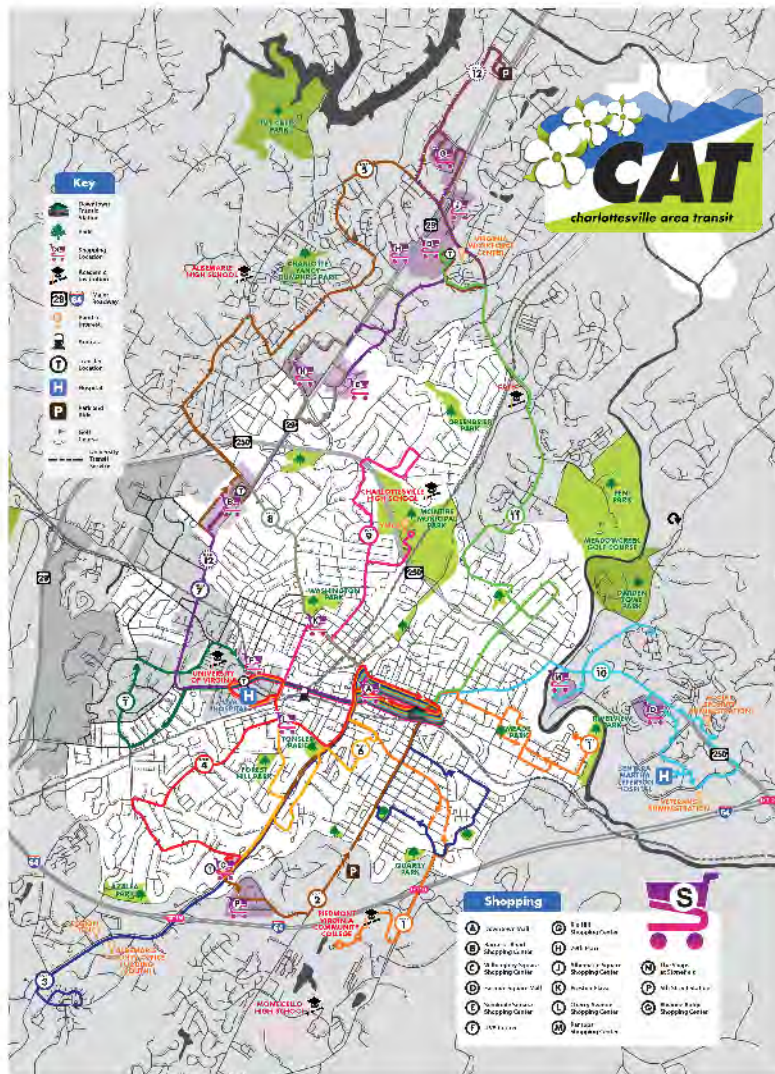


System Optimization Phasing Proposals

CHARLOTTESVILLE AREA TRANSIT

JUNE 24, 2022

Pre-COVID CAT Network



Pre-COVID

- 13 routes (including Free Trolley)
- Service span generally 6 am to 12 midnight
- Limited Sunday service (4 routes)
- Accessibility (within 1/4 mile of weekday service):
 - 62,500 population
 - 19,700 minority population
 - 4,500 low-income households
 - 2,850 no-vehicle households

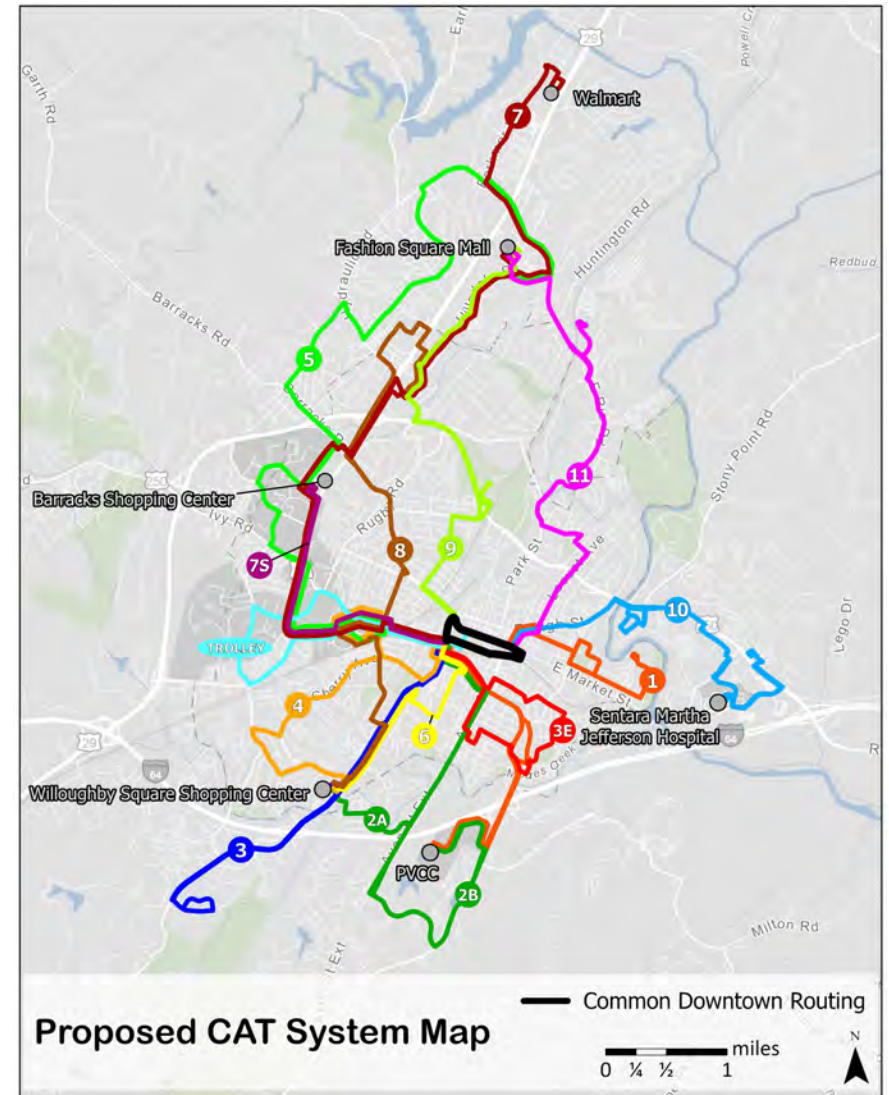
Future

- Restore service coverage to pre-COVID levels
- New service areas across the City and Albemarle County
- Expand Saturday and Sunday service coverage
- Fewer transfers on certain routes
- Additional recovery time on routes to improve on-time performance

Proposed Network Improvements



- ✓ Improved service between UVA campus/Hospital and US 29 corridor (Routes 5 and 7)
- ✓ New crosstown service from south Charlottesville to US 29 corridor (Route 8)
- ✓ Proposed routes operating at 30-minute or better all-day weekday service (Routes 2, 3, 5, 7, 10, Trolley)
- ✓ Additional weekend service coverage (Routes 1, 3, 10)
- ✓ New coverage in county along Mill Creek Drive and to Monticello High School (Route 2B)
- ✓ New coverage to Piedmont Virginia Community College (Route 2B)
- ✓ New coverage in city with Route 5 extension to UVA Hospital and with Route 6 service on 1st Street South



Transit Network Accessibility



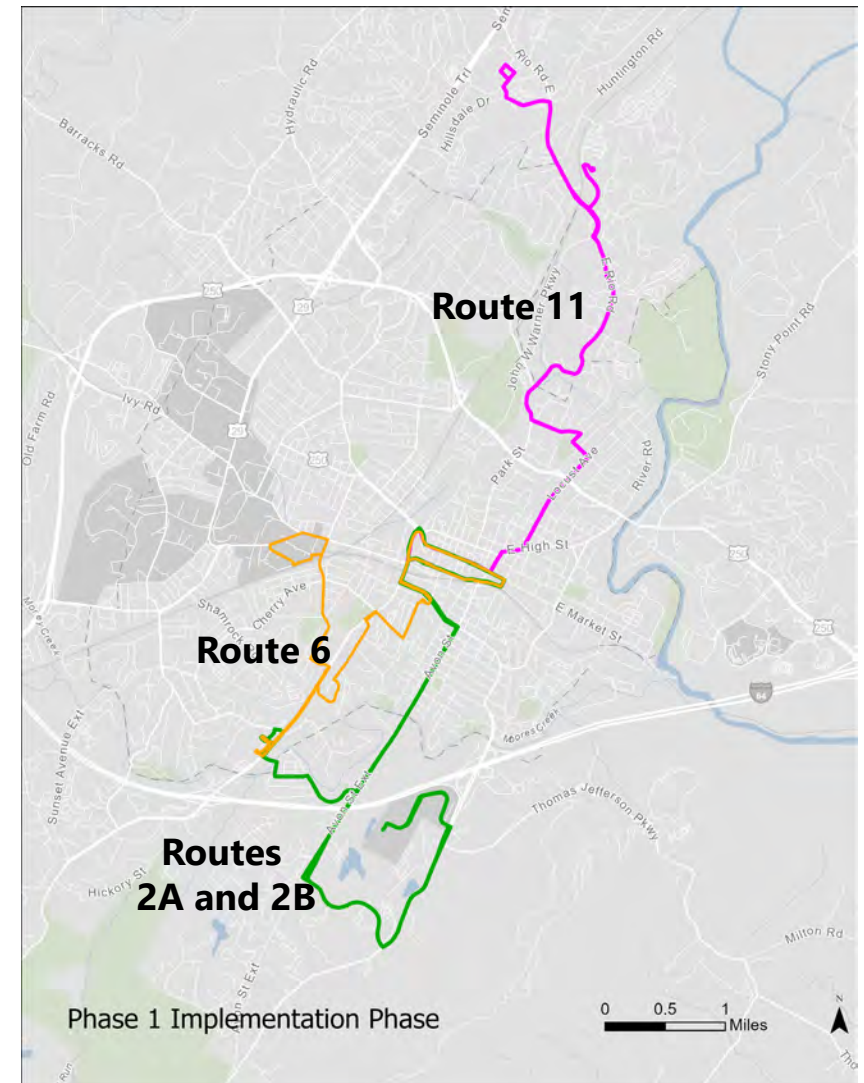
- **Population accessibility improvements:**
 - Weekdays = +2%
 - Saturdays = +5%
 - Sundays = +10%
- **30-minute or better weekday service**
 - Overall population accessibility = +20%
 - Minority population accessibility = +16%
 - Low-income population accessibility = +15%

Phase 1 Implementation Phase



Weekday and Saturday Service

- Implement the SOP's Routes 2A and 2B recommendations.
- Implement the SOP's Route 11 recommendations.
- Improve Route 6 weekday service frequencies to 30 minutes.

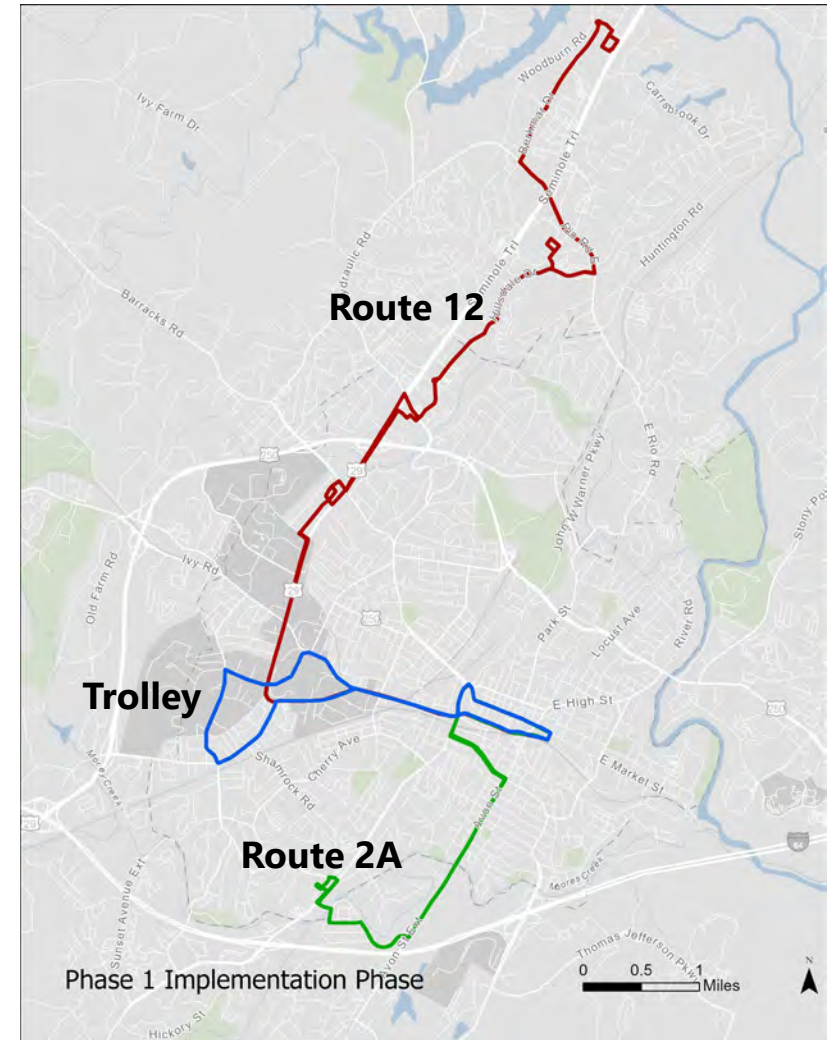


Phase 1 Implementation Phase



Sunday Service

- Route 2A (60-minute frequency)
- Route 12 (60-minute frequency)
- Free Trolley (25-minute frequency, same as weekdays and Saturdays)
- Service window on all routes: 9 am to 5 pm

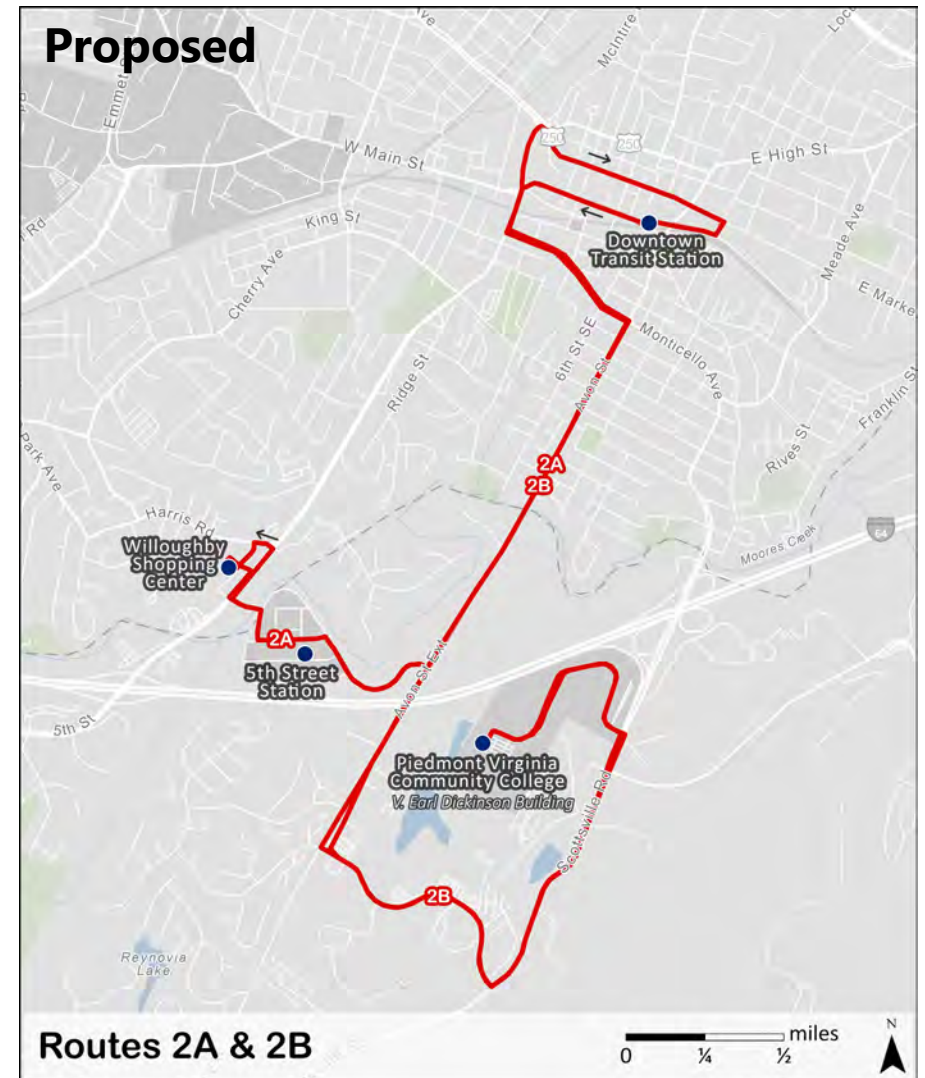


Routes 2A and 2B



Proposed Service Modifications

- Route 2 modified to operate bi-directional on Avon Street
- Two patterns:
 - 2A operates to/from Willoughby Square at 60-minute frequencies, seven days a week
 - 2B operates to/from PVCC at 60-min on weekdays
- Combined weekday frequency on common trunk = 30 minutes
- Introduction of Sunday service on route pattern 2A (9 am to 5 pm)

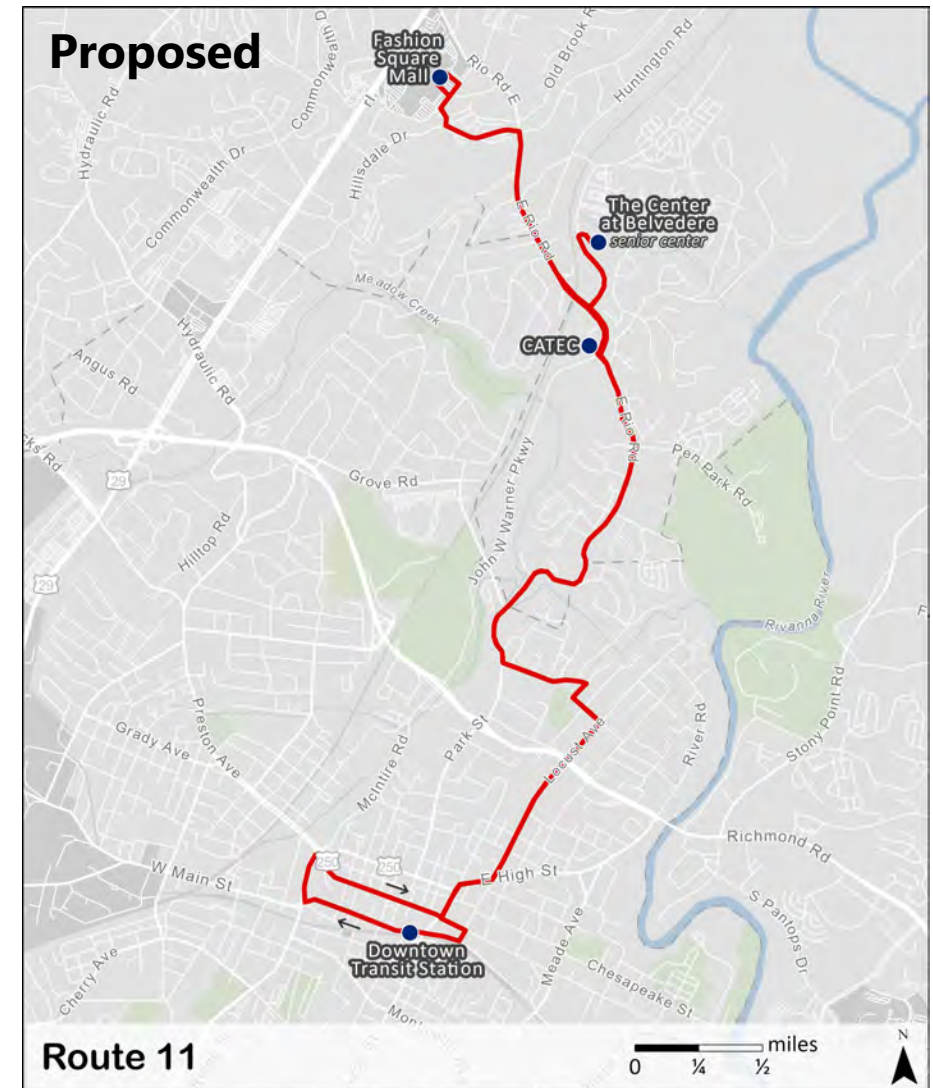


Route 11



Proposed Service Modifications

- Add service to the Center on Rio Road – northbound only (southbound service not possible because there is no signal at Rio Road and Belvedere Blvd.)
- Eliminate Locust/Pearl/St. Clair loop to provide time for new Rio Road service
- Operate 60-minute frequencies, weekdays and Saturdays

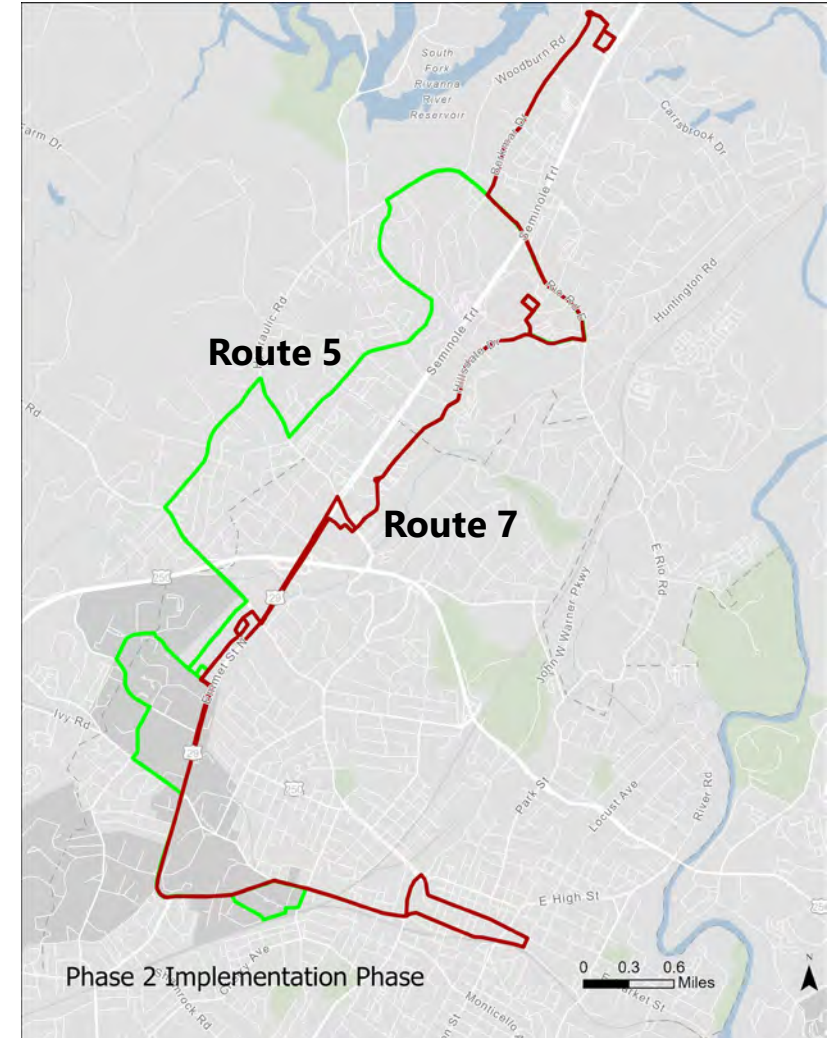


Phase 2 Implementation Phase



Phase 2 reflects service improvements along the US 29 corridor, the next highest service improvement priorities.

- Implement the SOP's Route 7 recommendations. Route 7 is extended to Walmart and its current mid-route split to serve Seminole Square is eliminated.
- Implement the SOP's Route 5 recommendations. Route 5's northern terminus is Fashion Square Mall.
- Eliminate Phase 1's Route 12 and replace with Route 7 Sunday service.

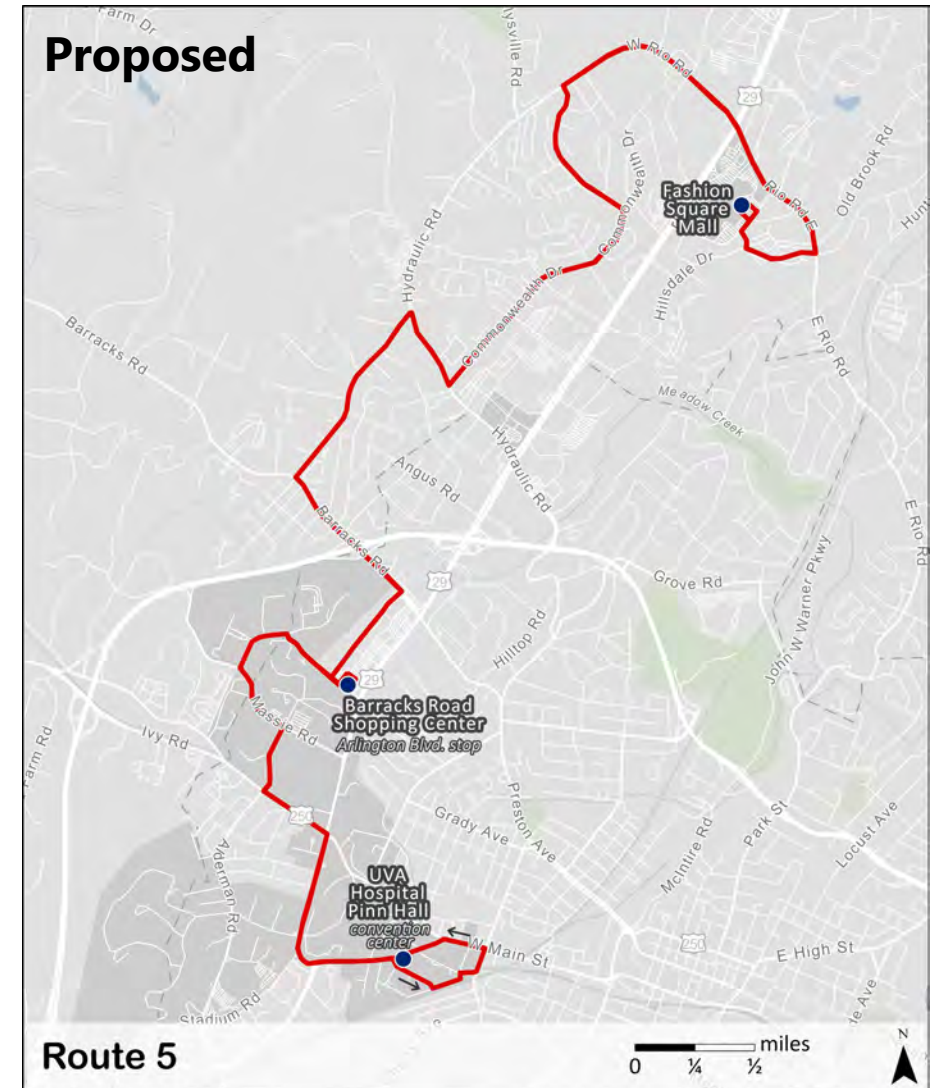


Route 5



Proposed Service Modifications

- Terminate north end of Route 5 at Fashion Square
- Extend south end of alignment to UVA Hospital
- Operate at 30-minute frequencies, weekdays and Saturdays

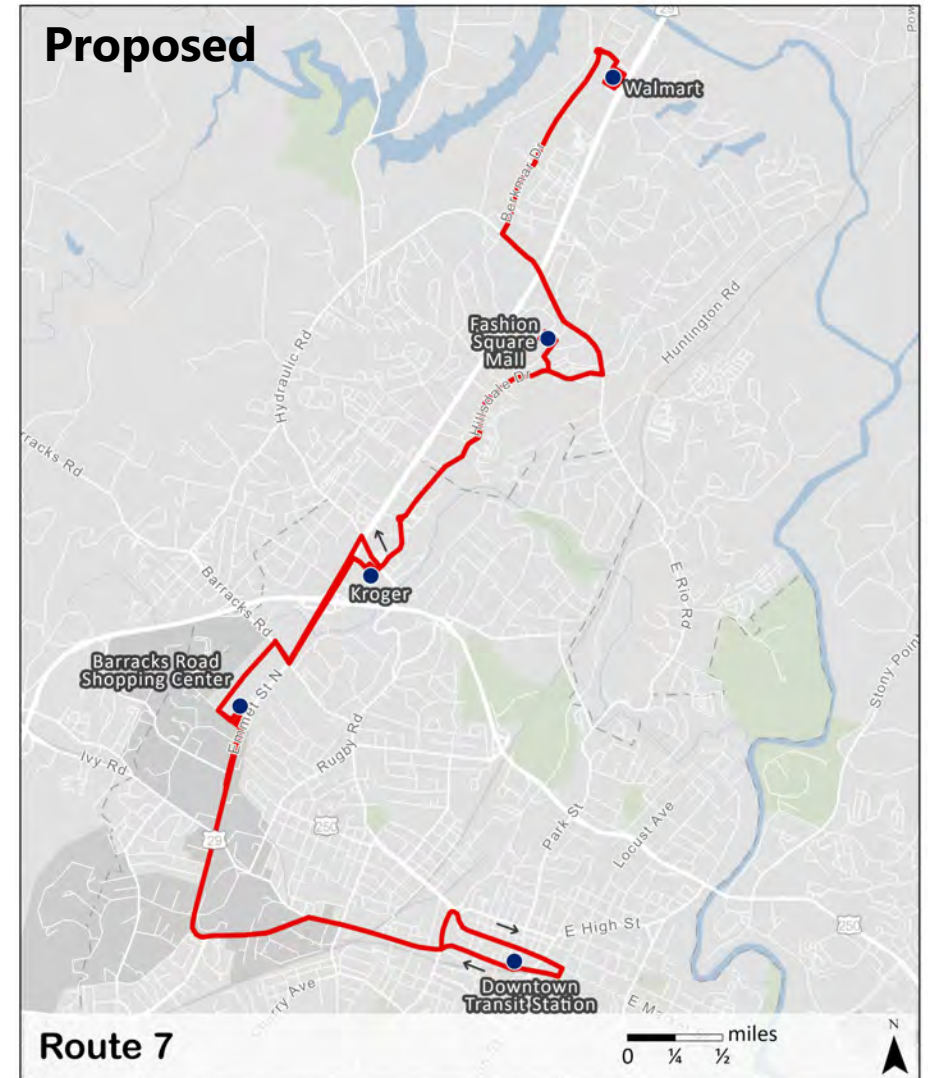


Route 7



Proposed Service Modifications

- Extend Route 7 to Walmart and operate 7-days/week
- Operate at 30-minute frequencies, weekdays and Saturdays
- Provide supplemental weekday service between downtown and Barracks Center during peak periods, resulting in 15-minute service along this segment
- Operate at 60-minute frequencies on Sundays (replacing Route 12)



Phase 3 Implementation Phase



Phase 3 reflects full implementation of the SOP.

- Route 1 – Introduction of Saturday service
- Routes 2A/2B – Expansion of Sunday span of service on route pattern 2A (7:30 am to 10:30 pm)
- Route 3/3E – Break into two routes and improve Route 3 frequencies to 30 minutes on weekdays and Saturdays, with the addition of 60-minute Sunday service (7:30 am to 10:30 pm).
- Route 4 – Operate at 30-minute all-day frequencies. Route currently has 30-minute frequencies in the am period only.
- Route 6 – Eliminate segment to UVA Hospitals. Replaced with Route 8 service changes.

Phase 3 Implementation Phase



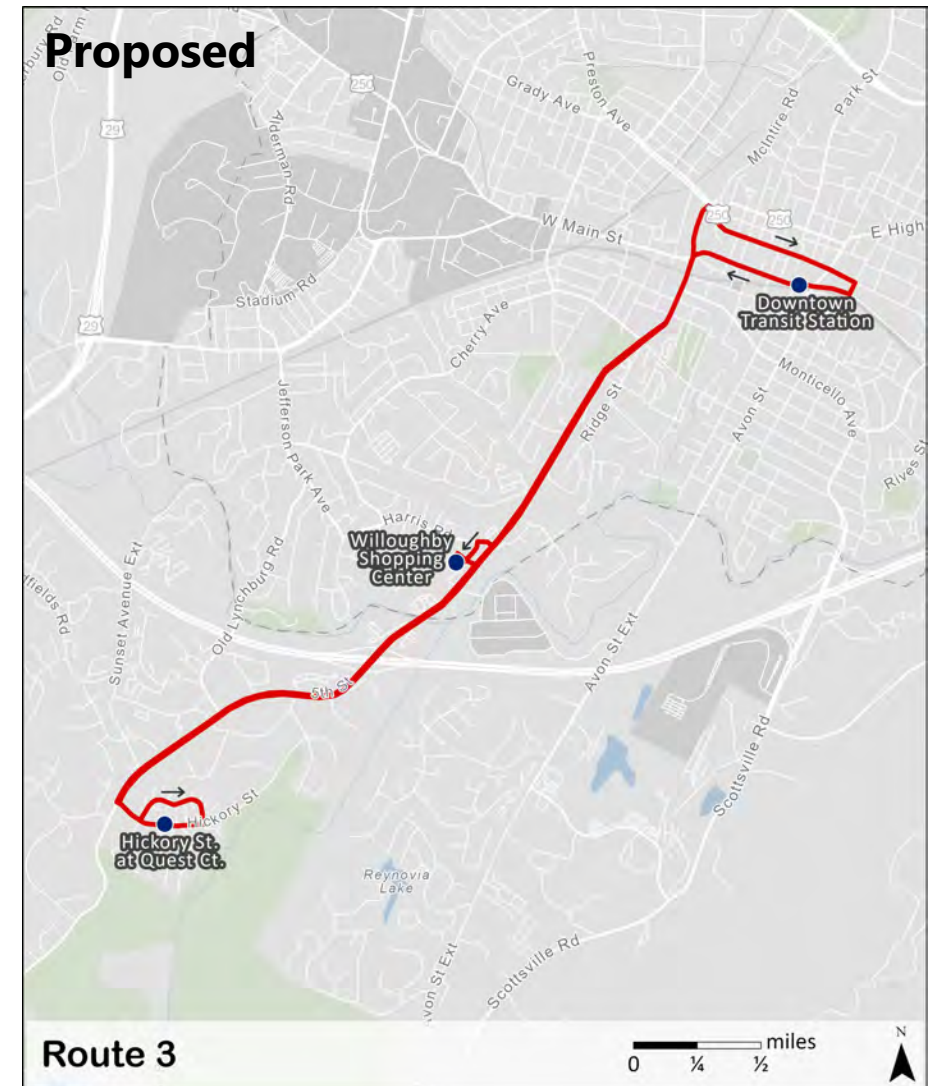
- Routes 7/7S – Supplement peak period service between downtown and Barracks Road shopping center. Expand Sunday span of service (7:30 am to 10:30 pm)
- Route 8 – Modify orientation of route from downtown to Willoughby Shopping Center to provide south Charlottesville residents with one-seat ride access to the US 29 corridor
- Route 9 – Modify north end of alignment to Fashion Square Mall and eliminate service deviation to UVA Hospital. Operate at 60-minute frequencies
- Route 10 – Streamline alignment east of the Rivanna River. Operate at 30-minute weekday and Saturday service. Add Sunday service from 7:30 am to 10:30 pm
- Trolley – Improve weekday and Saturday service frequencies to 15-minutes and modify Sunday frequencies to 30-minutes to better facilitate timed transfers

Route 3



Proposed Service Modifications

- Route 3 modified to begin/end downtown.
- Weekday and Saturday frequencies are improved to 30-minutes
- New Sunday service at 60-minute frequencies
- Eastern part of existing Route 3 becomes a new route

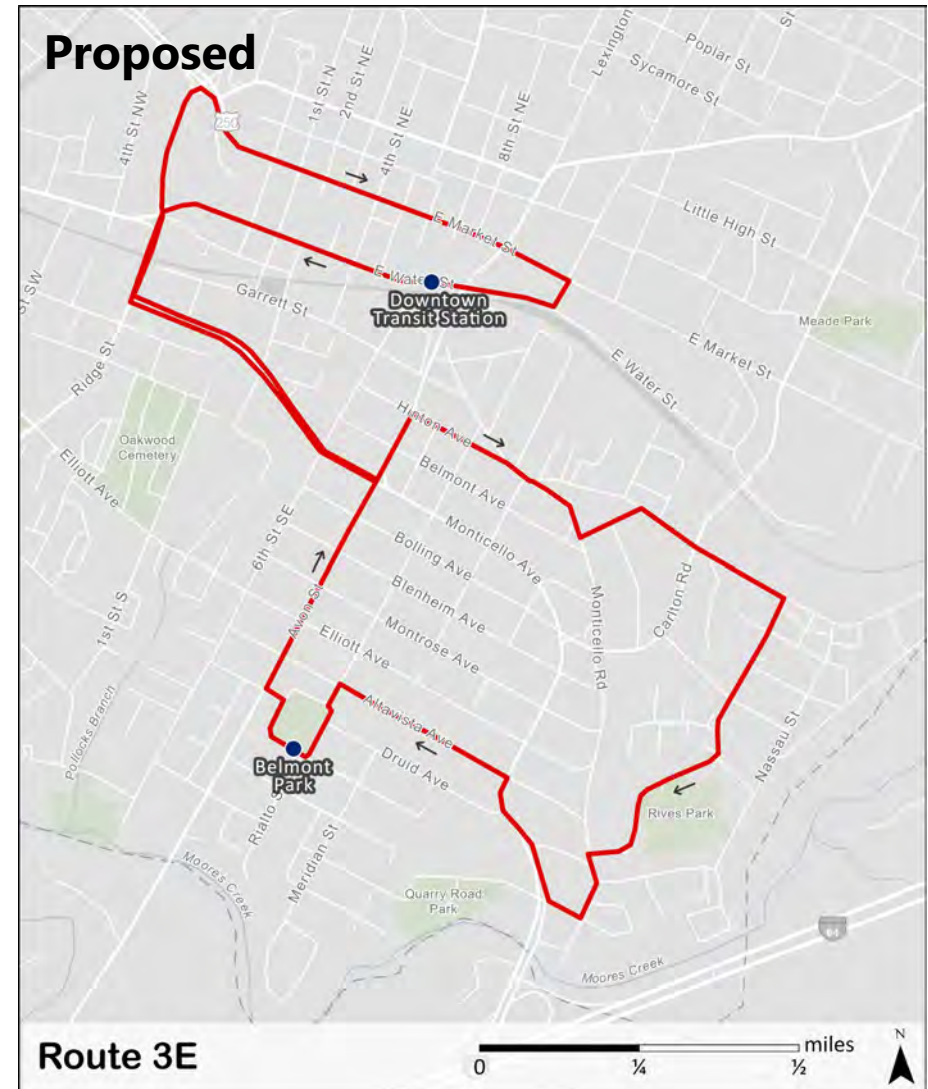


Route 3E



Proposed Service Modifications

- Eastern portion of existing Route 3 broken into a new route (route number to be determined)
- Operate at 60-minute frequencies, weekdays and Saturdays
- Interline with Route 9

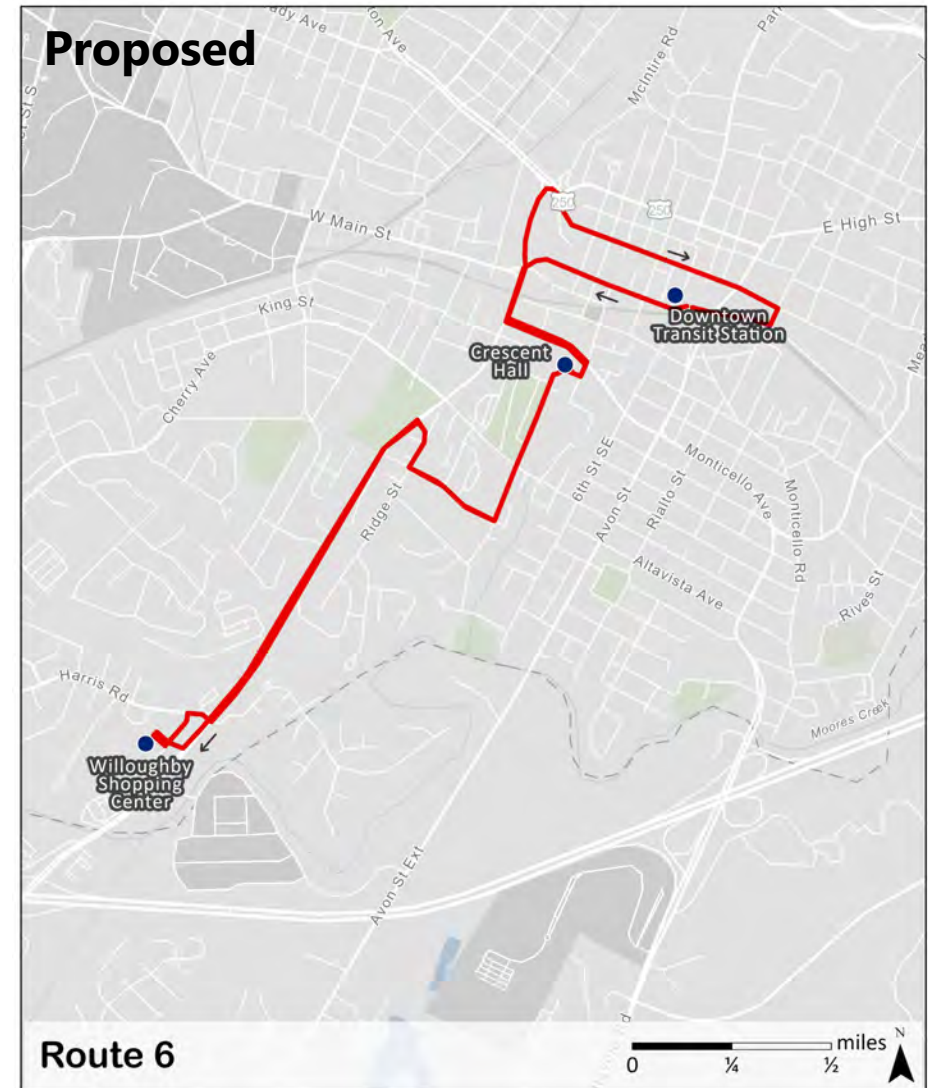


Route 6



Proposed Service Modifications

- Modify route alignment to use 1st Street South
- Eliminate Route 6 southbound deviation to UVA Hospital – all trips operate direction to/from Willoughby Square Shopping Center
- Operate at 30-minute frequencies on weekdays and 60-minute frequencies on Saturdays

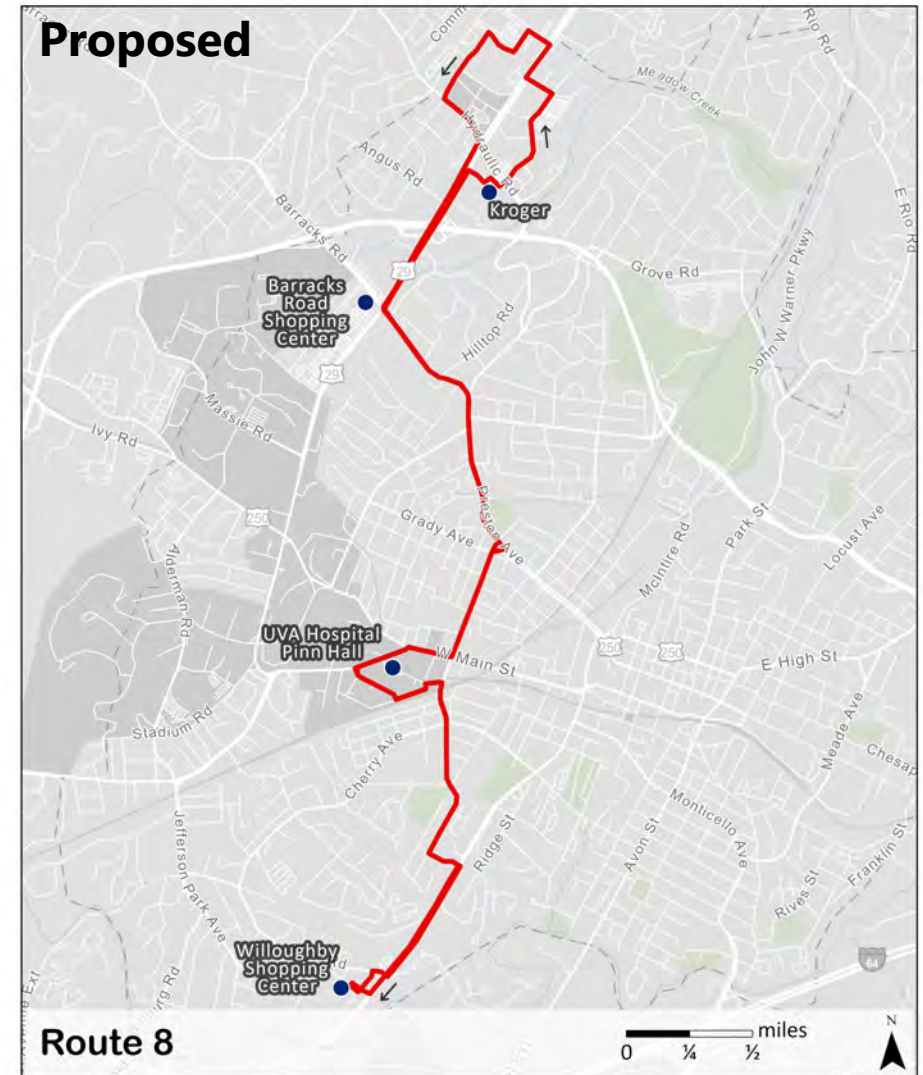


Route 8



Proposed Service Modifications

- Modify Route 8 to operate as a new crosstown route between Shops at Stonefield and Willoughby Square
- Operate 60-minute frequencies, weekdays and Saturdays

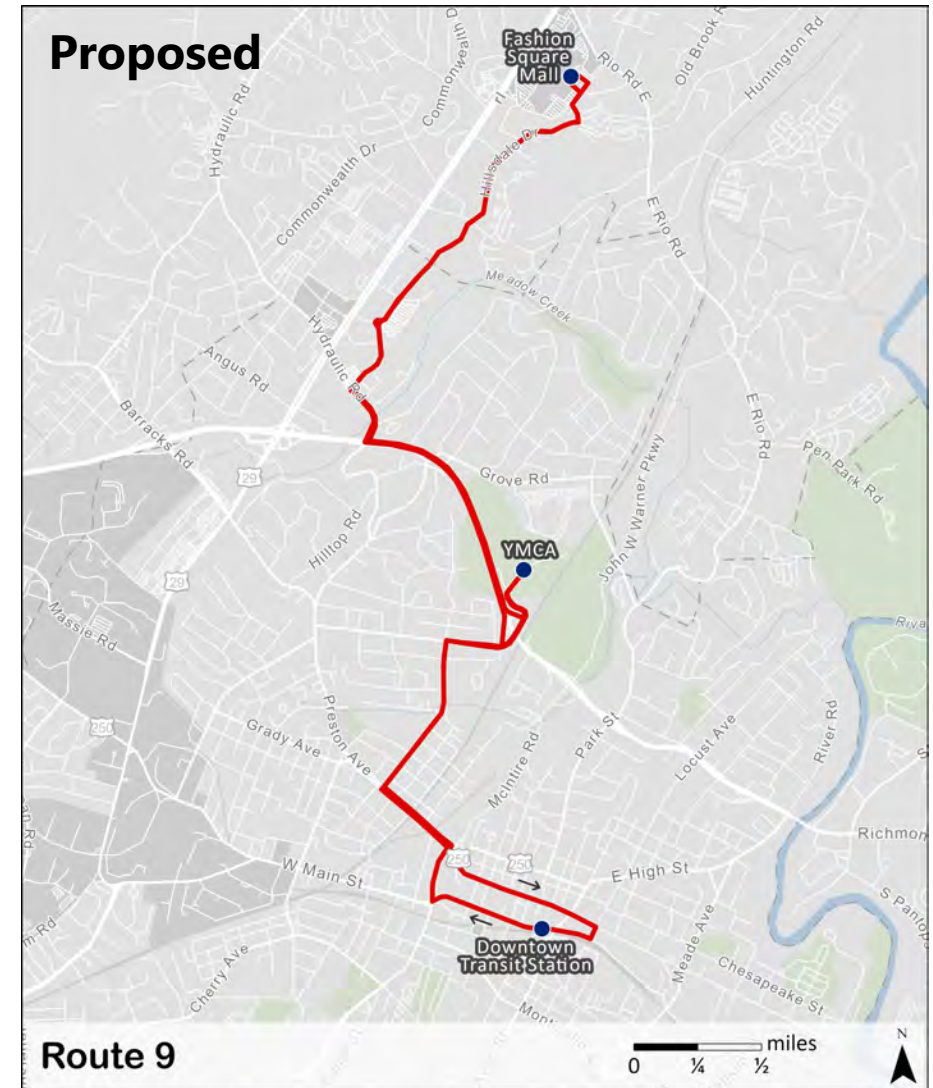


Route 9



Proposed Service Modifications

- Eliminate Greenbrier & UVA Hospital service and modify route to serve Fashion Square Mall
- Route continues to deviate to YMCA, with pedestrian access to Charlottesville High School via pedestrian path from YMCA
- Operate 60-minute frequencies, weekdays and Saturdays

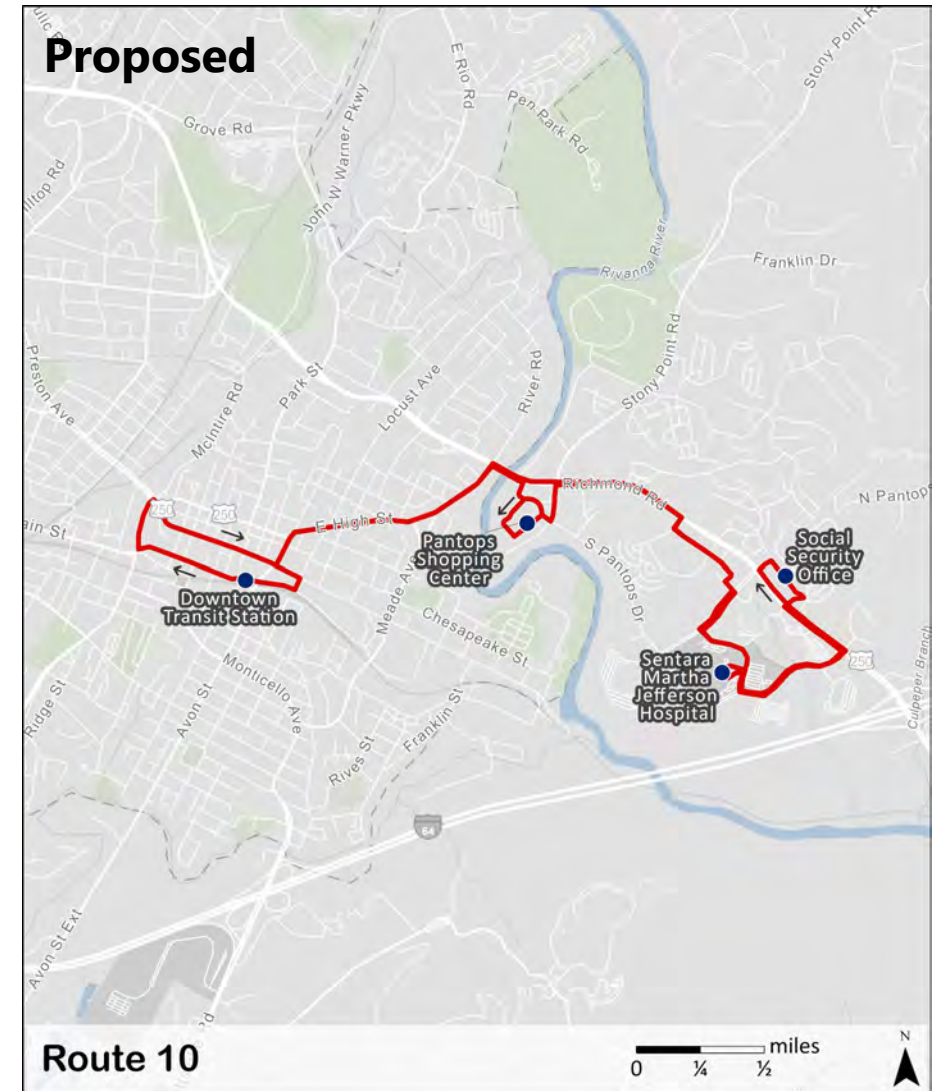


Route 10



Proposed Service Modifications

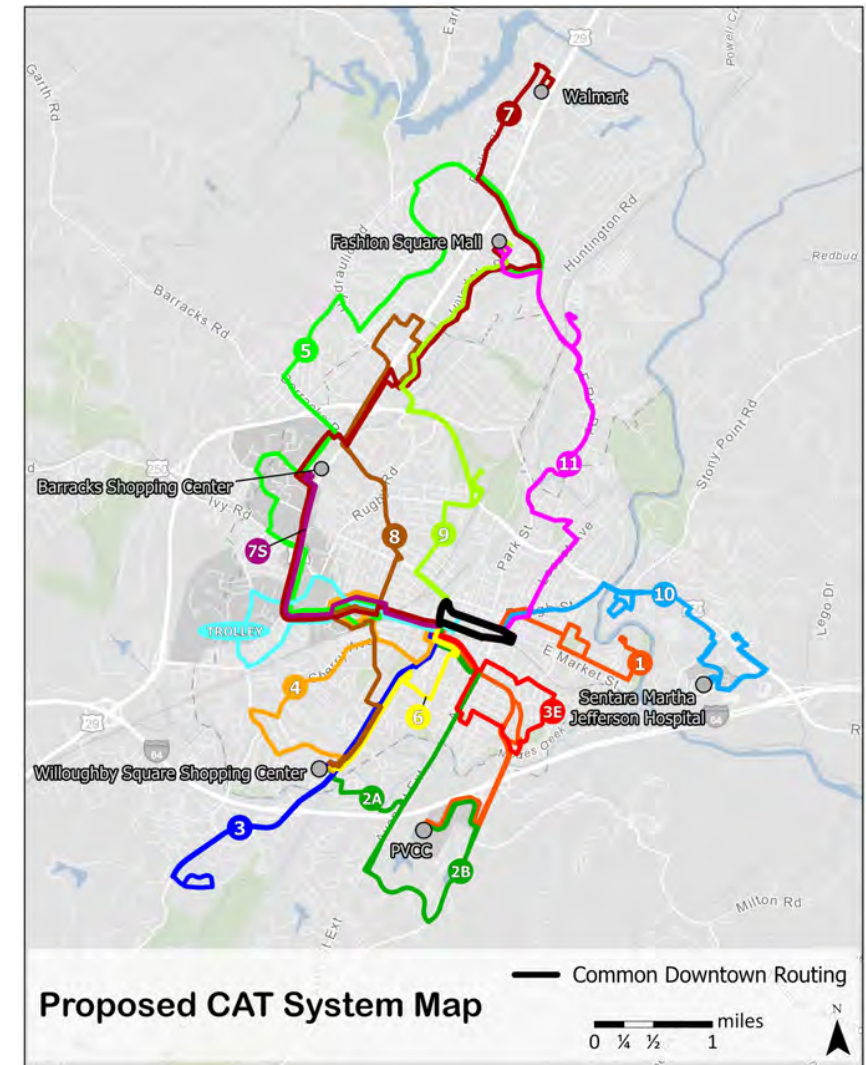
- Eliminate Stony Point segment and replace with Pantops service in both directions of travel (shopping center currently only served in the outbound direction)
- Modify east end of route to provide bi-directional service
- Improve weekday and Saturday frequencies to 30 minutes
- Add Sunday service at 60-minute frequencies from 7:30 am to 10:30 pm



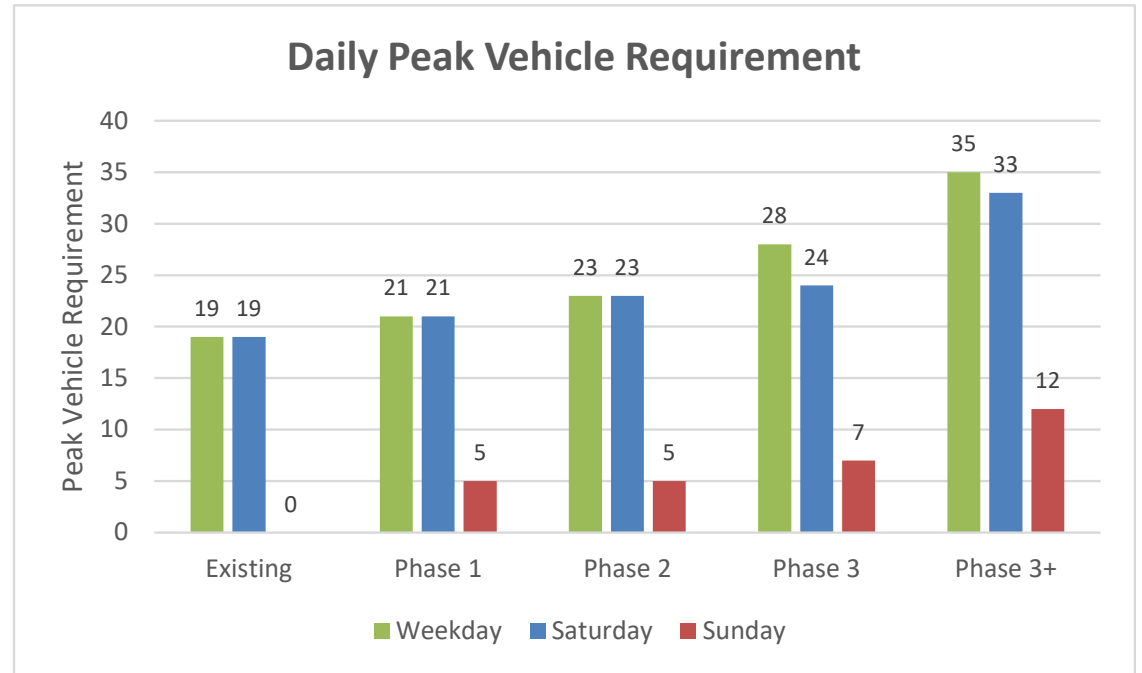
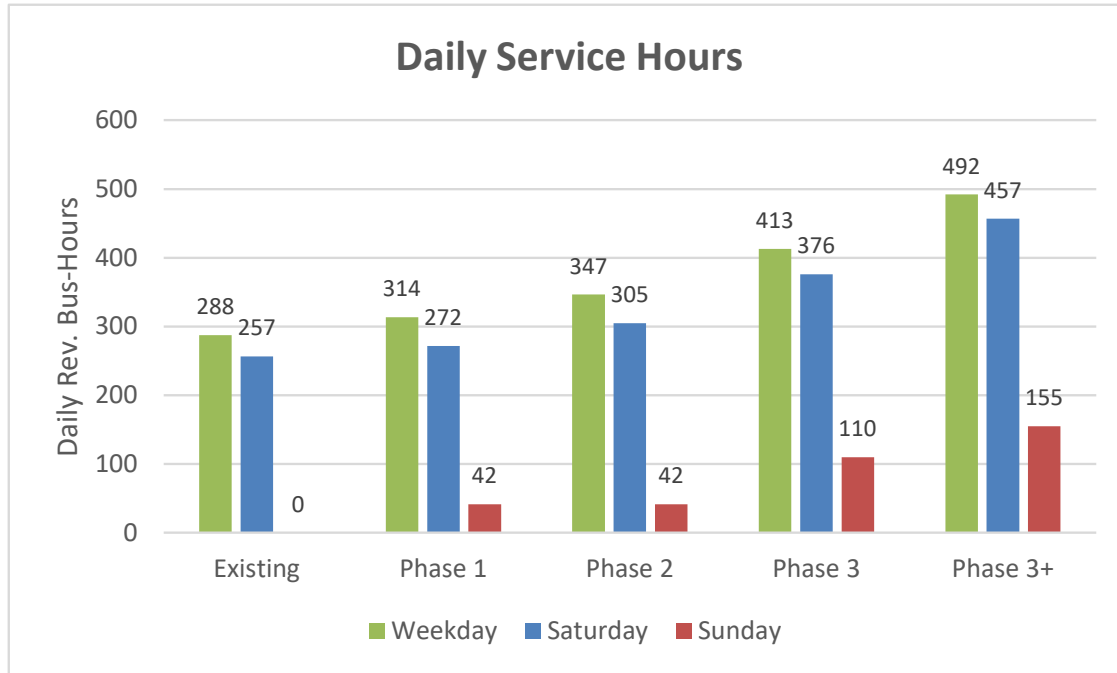
Phase 3 Plus



- All routes operating at 30-minute or better frequencies on weekdays from at least 6 am and 6 pm
- All routes operating at 30-minute or better frequencies on Saturdays
- Routes operating on Sundays also operate at 30-minute frequencies from 9 am to 6 pm.



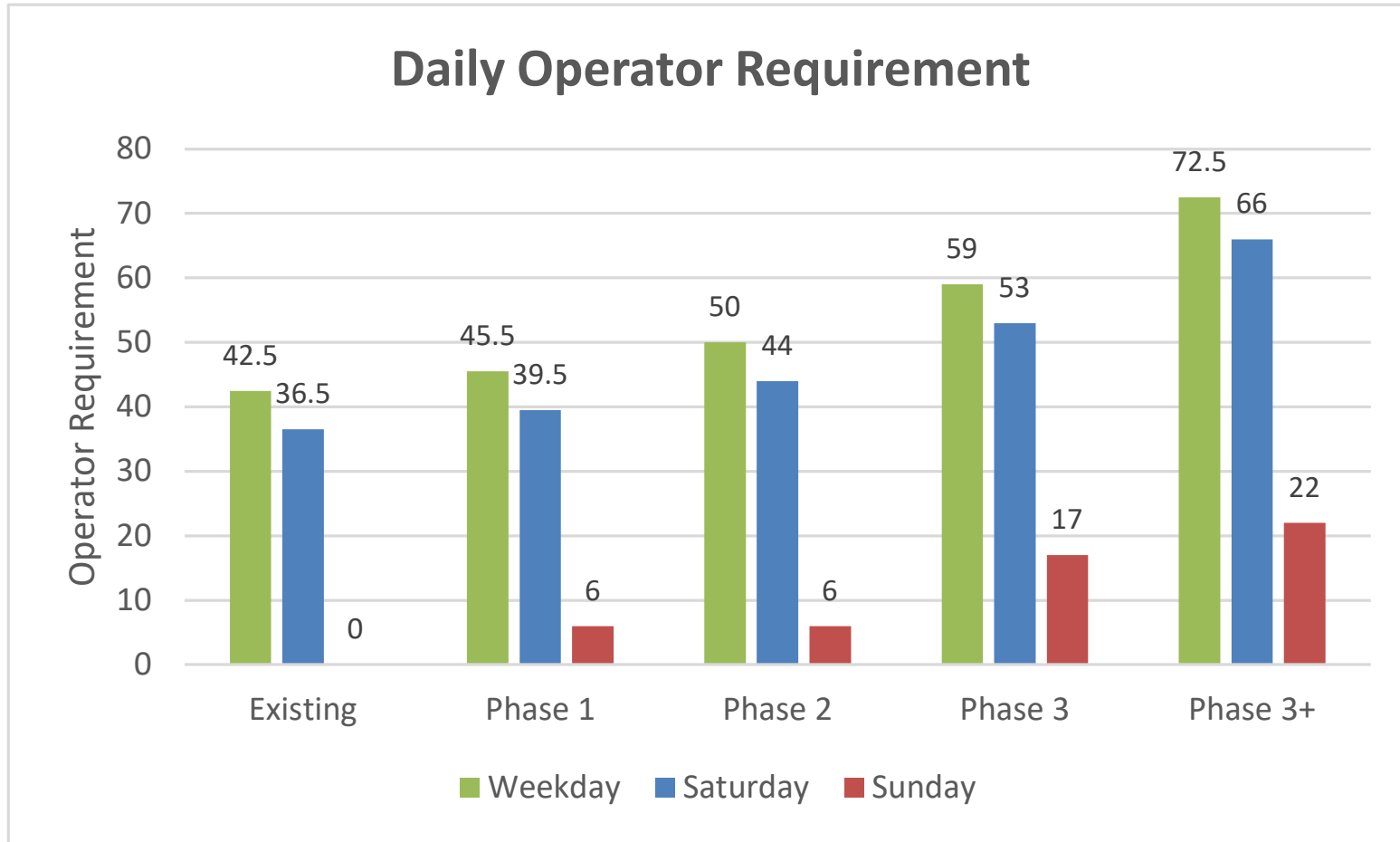
Service Requirements



Service Requirements



Daily Operator Requirement



Total Additional Operator Needs (from existing)

- Phase 1: **6** additional
- Phase 2: **12** additional
- Phase 3: **27** additional
- Phase 3+: **46** additional

Questions